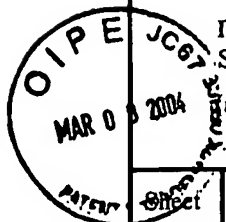


Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)



Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/681,821
				Filing Date	October 7, 2003
				First Named Inventor	Anant V. Hegde
				Group Art Unit	3763
				Examiner Name	Not yet assigned
Sheet	1	of	2	Attorney Docket Number	PAVA-001/01US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number (if known)	Kind Code		
/JS/	A1	4,457,673		Conley <i>et al.</i>	07-03-1984
	A2	4,583,523		Kleinke <i>et al.</i>	04-22-1986
	A3	4,809,676		Freeman	03-07-1989
	A4	4,813,952		Khalafalla	03-21-1989
	A5	4,979,936		Stephenson <i>et al.</i>	12-25-1990
	A6	5,429,584		Chiu <i>et al.</i>	07-04-1995

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			
	B1	EP	0216042	B1	Khalafalla	03-06-1991	
	B2	EP	0216042	A1	Khalafalla	04-01-1987	
	B3	WO	92/08500	A1	Chiu	05-29-1992	
	B4	WO	99/04833	A1	Gruss <i>et al.</i>	02-04-1999	
	B5	WO	00/76288	A2	Peters <i>et al.</i>	12-21-2000	
	B6	WO	00/76288	A3	Peters <i>et al.</i>	12-21-2000	
	B7	WO	02/24254	A2	Khaghani <i>et al.</i>	03-28-2002	
	B8	WO	02/24255	A1	Peters <i>et al.</i>	03-28-2002	
	B9	WO	03/028787	A1	Peters	04-10-2003	

Examiner Signature	/Joseph Stoklosa/	Date Considered	05/07/2007
--------------------	-------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside
this box → +

PTO/SB/08A (08-00)

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/681,821
				Filing Date	October 7, 2003
				First Named Inventor	Anant V. Hegde
				Group Art Unit	3763
				Examiner Name	Not yet assigned
Sheet	2	of	2	Attorney Docket Number	PAVA-001/01US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T
/JS/	C1	BOND <i>et al.</i> , "The Left Ventricular Assist Device," <u>American Journal of Nursing</u> , Jan. 2003, 32-40, 103(1)		
	C2	HELMAN <i>et al.</i> , "Intracorporeal Support: The Intra-aortic Balloon Pump", Cardiac Assist Devices, 2000, Chapter 22, 291-306, Futura Publishing Company, Armonk NY		
	C3	STRAND <i>et al.</i> "Poly-L-Lysine induces fibrosis on alginate microcapsules via the induction of cytokines." Abstract, Department of Biotechnology, Norwegian University of Science and Technology, Trondheim. <u>Berit.Loeken.Strand@chembio.ntnu.no</u> , PMID: 11437072 [PubMed - indexed for MEDLINE]		
	C4	SUN, Benjamin C., "Device Selection", Cardiac Assist Devices, 2000, Chapter 3, 27-36, Futura Publishing Company, Armonk NY		
	C5	VANDEVONDELE <i>et al.</i> "RGD-grafted Poly-L-lysine-graft-(polyethylene glycol) Copolymers Block Nonspecific Protein Adsorption while Promoting Cell Adhesion", Biotechnol Bioeng. 2003 Jun 30; 82(7): 784-90		

Examiner Signature	/Joseph Stoklosa/	Date Considered	05/07/2007
--------------------	-------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Under the paperwork Reduction Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/681,821
				Filing Date	October 7, 2003
				First Named Inventor	Anant V. Hegde
				Art Unit	3762
				Examiner Name	Nicole R. Kramer
Sheet	1	Of	2	Attorney Docket Number	31513-701.201

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
/JS/	1.	US 2003/0214199 A1	11-20-2003	Heim et al.		
	2.	US 2004/0230090 A1	11-18-2004	Hegde et al.		
	3.	US 6,109,852	08-29-2000	Shahinpoor et al.		
	4.	US 6,475,639 B2	11-05-2002	Shahinpoor et al.		
	5.	US 6,543,110 B1	04-08-2003	Pelrine et al.		
	6.	US 6,545,384 B1	04-08-2003	Pelrine et al.		
	7.	US 6,583,533 B2	06-24-2003	Pelrine et al.		
	8.	US 6,664,718 B2	12-16-2003	Pelrine et al.		
	9.	US 6,781,284 B1	08-24-2004	Pelrine et al.		
	10.	US 6,809,462 B2	10-26-2004	Pelrine et al.		
	11.	US 6,812,624 B1	11-02-2004	Pei et al.		
	12.	US 6,891,317 B2	05-10-2005	Pei et al.		
	13.	US 6,911,764 B2	06-28-2005	Pelrine et al.		
	14.	US 7,034,432 B1	04-25-2006	Pelrine et al.		
	15.	US 7,064,472 B2	06-20-2006	Pelrine et al.		
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
V	16.	WO 01/06575 A1	01-25-2001	SRI International		
	17.	WO 01/06579 A2	01-25-2001	SRI International		
	18.	WO 03/107523 A1	12-24-2003	SRI International		

Examiner Signature	/Joseph Stoklosa/	Date Considered	05/07/2007
--------------------	-------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 3.

Under the paperwork Reduction Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/681,821
				Filing Date	October 7, 2003
				First Named Inventor	Anant V. Hegde
				Art Unit	3762
				Examiner Name	Nicole R. Kramer
Sheet	2	Of	2	Attorney Docket Number	31513-701.201

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/JS/	19.	Electroactive Polymer Actuator and Devices. <i>Proceedings of SPIE</i> . (Yoseph Bar-Cohen ed. 2001.) Bellingham: SPIE	

Examiner Signature	/Joseph Stoklosa/	Date Considered	05/07/2007
-----------------------	-------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.